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Jang et al.

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(54) **LIGHT EMITTING DEVICE HAVING
VERTICAL STRUCTURE AND PACKAGE
THEREOF**

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This patent is subject to a terminal dis-
claimer.

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(57) **ABSTRACT**

A light emitting device having a vertical structure and a
package thereof, which are capable of damping impact
generated in a substrate separation process, and achieving an
improvement in mass productivity. The device and package
include a sub-mount, a first-type electrode, a second-type
electrode, a light emitting device, a zener diode, and a lens
on the sub-mount.

20 Claims, 17 Drawing Sheets

